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# National Cooperative Dairy Herd Improvement Program



*A plan for every size herd*

STANDARD DHIA

OWNER SAMPLER

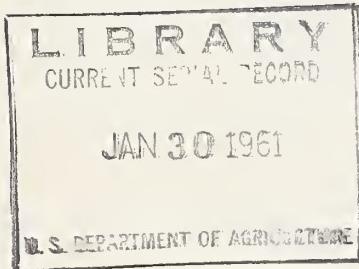
WEIGH-A-DAY-A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

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Dairy-Herd-Improvement Letter

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## PROVED SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1960

On January 1, 1960, there were 2,544 sires in artificial-breeding service in 62 AB studs operating in the United States. Of the 2,544 sires, 477 or 18.8 percent, were sires with sufficient number of AB progeny to warrant the compilation of AB proofs.

A summary of the 477 AB proved-sire records is given in tables on the following pages.

Issued October 1960

TABLE 1.--SUMMARY OF PROVED-SIRE RECORDS OF Sires IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1960, BY BREED

Breed	Sires	Dams			Daughters		
		Milk Number	Pounds	% Pounds	Milk Pounds	% Pounds	
Ayrshire-----	14		9,599	4.1 395	9,219	4.2 387	
Guernsey-----	100		8,478	4.8 407	8,465	4.8 408	
Holstein-----	261		12,474	3.6 455	12,523	3.7 465	
Jersey-----	68		7,899	5.2 412	7,860	5.3 413	
Brown Swiss----	33		10,976	4.1 448	10,965	4.2 459	
Shorthorn-----	1		9,528	4.4 419	7,375	3.9 291	
Total or average-----	477		10,790	4.0 437	10,792	4.1 443	

TABLE 2.--NUMBER OF PROVED Sires IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1960, BY AGE AND BREED

Age in years	Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Shorthorn	Total
7-----	1	2	3	2	-	-	8
8-----	-	7	18	4	3	-	32
9-----	-	6	25	6	2	-	39
10-----	2	11	17	6	6	-	42
11-----	2	9	27	4	4	-	46
12-----	4	13	33	17	4	-	71
13-----	4	12	37	8	5	-	66
14-----	-	9	25	5	1	-	40
15-----	-	4	12	3	2	-	21
16-----	-	3	10	1	-	-	14
17-----	-	-	15	2	1	-	18
No report--	1	24	39	10	5	1	80
Total-----	14	100	261	68	33	1	477

TABLE 3.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE  
JANUARY 1, 1960, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE  
OF THE DAMS TO WHICH THEY WERE MATED

Butterfat production range of dams Pounds	Sires Number	Maintained or increased production Number	Decreased production Number	Dam-and-daughter pairs Number	Average production					
					Dams		Daughters			
					Milk Pounds	Butterfat % Pounds	Milk Pounds	Butterfat % Pounds		
Under 275-----	1	-	1	1	5,150	4.9	251	3,290	5.0	165
300 - 324-----	1	-	1	6	6,745	4.7	318	7,093	4.4	312
325 - 349-----	5	4	1	49	8,293	4.0	336	10,144	4.0	405
350 - 374-----	17	12	5	335	7,883	4.6	362	7,875	4.7	370
375 - 399-----	56	37	19	2,652	8,259	4.7	387	8,478	4.7	399
400 - 424-----	96	60	36	6,163	9,490	4.4	413	9,497	4.4	420
425 - 449-----	134	90	44	14,719	11,275	3.9	437	11,287	3.9	446
450 - 474-----	103	63	40	9,068	11,886	3.9	460	11,836	3.9	465
475 - 499-----	33	17	16	1,180	12,786	3.8	486	12,956	3.8	498
500 - 524-----	15	9	6	216	13,801	3.7	510	13,708	3.7	511
525 - 549-----	11	4	7	246	13,954	3.9	538	13,472	3.9	529
550 - 574-----	2	-	2	6	16,053	3.5	557	13,615	3.5	474
575 - 599-----	3	-	3	3	12,116	4.8	586	8,708	4.5	393
Total or average-----	477	296	181	34,644	10,790	4.0	437	10,792	4.1	443

TABLE 4.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE  
JANUARY 1, 1960, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF  
THE DAMS TO WHICH THEY WERE MATED

Milk production range of dams Pounds	Sires Number	Maintained or increased production Number	Decreased production Number	Dam-and-daughter pairs Number	Average production					
					Dams		Daughters			
					Milk Pounds	Butterfat % Pounds	Milk Pounds	Butterfat % Pounds		
Under 6,500---	2	1	1	11	5,785	5.1	293	6,232	5.2	322
6,500 - 7,499--	16	12	4	299	7,162	5.1	368	7,507	5.1	386
7,500 - 8,499--	93	53	40	4,593	8,070	5.0	403	8,064	5.0	404
8,500 - 9,499--	65	32	33	2,385	8,928	4.7	424	8,937	4.8	426
9,500 - 10,499--	23	14	9	585	10,035	4.2	417	9,835	4.2	410
10,500 - 11,499--	28	18	10	935	11,087	3.9	436	11,267	4.0	447
11,500 - 12,499--	139	102	37	19,979	12,090	3.7	442	12,132	3.7	453
12,500 - 13,499--	84	55	29	5,435	12,886	3.7	471	13,063	3.7	485
13,500 - 14,499--	22	8	14	383	14,035	3.6	510	13,317	3.7	493
14,500 - 15,499--	4	1	3	38	14,801	3.8	559	12,948	3.9	500
Over 15,499--	1	-	1	1	17,754	3.2	562	14,120	3.4	487
Total or average-----	477	296	181	34,644	10,790	4.0	437	10,792	4.1	443

TABLE 5.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF Sires IN ARTIFICIAL-BREEDING SERVICE  
JANUARY 1, 1960, GROUPED ACCORDING TO THE BUTTERFAT PRODUCTION RANGE OF THESE DAUGHTERS

Butterfat production range of daughters Pounds	Sires Number	Maintained or increased production Number	Decreased production Number	Dam-and-daughter pairs Number	Average production					
					Dams		Daughters			
					Milk Pounds	Butterfat % Pounds	Milk Pounds	Butterfat % Pounds		
Under 275-----	2	-	2	2	7,737	5.4	421	4,170	4.9	206
275 - 299-----	1	-	1	2	9,528	4.4	419	7,375	3.9	291
300 - 324-----	4	-	4	21	7,499	4.9	369	6,546	4.8	316
325 - 349-----	12	1	11	173	9,210	4.3	394	7,803	4.3	335
350 - 374-----	20	5	15	640	8,516	4.7	399	7,739	4.7	362
375 - 399-----	45	15	30	1,787	8,743	4.6	401	8,398	4.6	389
400 - 424-----	82	39	43	4,435	9,495	4.4	416	9,265	4.5	413
425 - 449-----	96	58	38	8,269	10,955	4.0	433	10,903	4.0	437
450 - 474-----	104	83	21	11,841	11,700	3.8	448	11,789	3.9	462
475 - 499-----	53	45	8	5,238	11,899	3.9	460	12,333	3.9	486
500 - 524-----	34	28	6	1,656	12,786	3.7	479	13,334	3.8	510
525 - 549-----	13	12	1	529	12,986	3.8	494	13,970	3.8	535
550 - 574-----	5	4	1	17	11,194	4.3	483	12,730	4.4	554
575 - 599-----	2	2	-	13	12,624	3.9	488	14,860	3.9	581
600 - 624-----	2	2	-	18	13,397	3.8	512	15,171	4.1	616
625 - 649-----	1	1	-	1	15,208	3.6	549	18,550	3.4	636
Over 649-----	1	1	-	2	13,195	3.7	494	16,190	4.1	667
Total or average-----	477	296	181	34,644	10,790	4.0	437	10,792	4.1	443

TABLE 6.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF Sires IN ARTIFICIAL-BREEDING SERVICE  
JANUARY 1, 1960, GROUPED ACCORDING TO THE MILK PRODUCTION RANGE OF THESE DAUGHTERS

Milk production range of daughters Pounds	Sires Number	Maintained or increased production Number	Decreased production Number	Dam-and-daughter pairs Number	Average production					
					Dams		Daughters			
					Milk Pounds	Butterfat % Pounds	Milk Pounds	Butterfat % Pounds		
Under 6,500---	5	-	5	26	7,707	5.2	401	5,382	5.2	279
6,500 - 7,499---	24	6	18	520	7,810	5.1	399	7,082	5.2	367
7,500 - 8,499---	85	39	46	4,027	8,348	4.9	406	8,077	4.9	397
8,500 - 9,499---	64	47	17	2,772	8,708	4.8	415	8,989	4.8	432
9,500 - 10,499---	23	9	14	629	10,576	4.0	427	10,084	4.2	426
10,500 - 11,499---	44	21	23	3,006	11,563	3.8	441	11,080	4.0	438
11,500 - 12,499---	110	76	34	13,731	12,164	3.7	444	12,059	3.7	452
12,500 - 13,499---	72	55	17	7,587	12,511	3.7	462	12,941	3.7	480
13,500 - 14,499---	40	33	7	2,159	13,183	3.6	480	13,908	3.7	509
14,500 - 15,499---	7	7	-	180	13,335	3.7	495	14,949	3.7	560
15,500 - 16,499---	2	2	-	6	13,634	3.7	500	15,910	3.8	605
Over 16,499---	1	1	-	1	15,208	3.6	549	18,550	3.4	636
Total or average-----	477	296	181	34,644	10,790	4.0	437	10,792	4.1	443